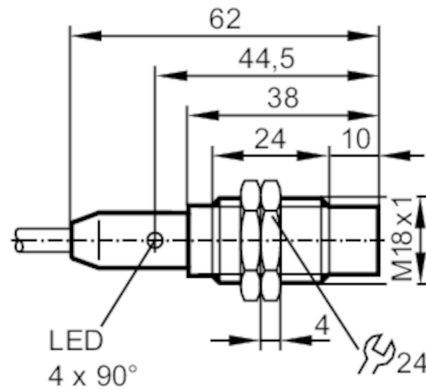


IGT215



Inductive sensor

IGB3012-BPKG/M/V4A/25M/WH



Product characteristics

| | |
|--------------------|------------------|
| Electrical design | PNP |
| Output function | normally open |
| Sensing range [mm] | 12 |
| Housing | threaded type |
| Dimensions [mm] | M18 x 1 / L = 62 |

Application

| | |
|-----------------|--|
| Special feature | Increased sensing range |
| Application | Use in wet areas and in the food and beverage industry |

Electrical data

| | |
|-----------------------------|------------|
| Operating voltage [V] | 10...36 DC |
| Current consumption [mA] | < 10 |
| Protection class | II |
| Reverse polarity protection | yes |

Outputs

| | |
|--|---------------|
| Electrical design | PNP |
| Output function | normally open |
| Max. voltage drop switching output DC [V] | 2.5 |
| Permanent current rating of switching output DC [mA] | 100 |
| Switching frequency DC [Hz] | 300 |
| Short-circuit protection | yes |
| Overload protection | yes |

Detection zone

| | |
|----------------------------|-----------|
| Sensing range [mm] | 12 |
| Real sensing range Sr [mm] | 12 ± 10 % |
| Operating distance [mm] | 0...9.72 |
| Increased sensing range | yes |

IGT215



Inductive sensor

IGB3012-BPKG/M/V4A/25M/WH

| Accuracy / deviations | | |
|-------------------------------|---|--------------------------------|
| Correction factor | steel: 1 / stainless steel: 0.7 / brass: 0.5 / aluminium: 0.4 / copper: 0.3 | |
| Hysteresis [% of Sr] | 1...15 | |
| Switch point drift [% of Sr] | -10...10 | |
| Operating conditions | | |
| Ambient temperature [°C] | 0...100 | |
| Protection | IP 68; IP 69K; ("COP") | |
| Tests / approvals | | |
| EMC | EN 61000-4-2 ESD | 4 kV CD / 8 kV AD |
| | EN 61000-4-3 HF radiated | 10 V/m |
| | EN 61000-4-4 Burst | 2 kV |
| | EN 61000-4-5 Surge | 0,5 kV line to line, Ri: 2 Ohm |
| | EN 61000-4-6 HF conducted | 10 V |
| | EN 55011 | class B |
| MTTF [years] | 1925 | |
| UL approval | Ta | 0...40 °C |
| | Enclosure type | Type 1 |
| | voltage supply | Limited Voltage/Current |
| | File number UL | E174191 |
| Mechanical data | | |
| Weight [g] | 884.5 | |
| Housing | threaded type | |
| Mounting | non-flush mountable | |
| Dimensions [mm] | M18 x 1 / L = 62 | |
| Thread designation | M18 x 1 | |
| Materials | stainless steel (1.4404 / 316L); sensing face: PEEK | |
| Displays / operating elements | | |
| Display | switching status | 4 x 90° LED, yellow |
| Accessories | | |
| Accessories (supplied) | lock nuts: 2 | |
| Remarks | | |
| Pack quantity | 1 pcs. | |

IGT215



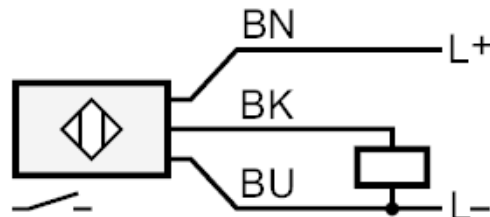
Inductive sensor

IGB3012-BPKG/M/V4A/25M/WH

Electrical connection

Cable: 25 m, PVC, Ø 4.9 mm; 3 x 0.34 mm²

Connection



Core colours :

BK = black
BN = brown
BU = blue